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Description

ANTENNA APPARATUS

*This application is a 371 of PCT/JP03/13913 filed Oct. 30, 2003.*

Technical Field

The present invention relates to an antenna apparatus for transmitting/receiving a modulating signal of a radio frequency to/from a satellite, and particularly to a structure of an antenna apparatus which uses a reflector antenna and is miniaturized to be suitable for mounting on a moving body such as an aircraft.

Background Art

Fig. 8 is a view showing a structure of a conventional antenna apparatus using a reflector antenna. In the drawing, reference numeral 10 denotes a reflector antenna part, and the reflector antenna part 10 includes a spherical main reflector 1, a secondary reflector 2, and a horn antenna 3.

Reference numeral 100 denotes a substantially cylindrical 180° polarizer, and the 180° polarizer 100 is rotatably supported by a rotary joint 110. The 180° polarizer 100 is rotated to coincide with a polarization coming from a satellite (not shown) or a polarization transmitted to the satellite, the plane of polarization is rotated, and transmission-reception is performed.